

Heat transfer and hydraulic'...

S/096/62/000/006/009/011
E194/E454

For Reynolds numbers of 2000, 4000 and in the range from 10000 to 18000 the Nusselt criterion for ducts with conical indentations is greater than for a smooth duct by 2.0, 1.62 and 1.75 times respectively. The surface increase caused by the indentations ranges from 5 to 10% so the main cause of greater heat exchange with indentations is increased turbulence of flow. The resistance of the ducts was measured under both isothermal and nonisothermal conditions and the results are given in the form of empirical formulae with constants tabulated for ducts of different shape and pitch. There are 3 figures and 1 table.

ASSOCIATION: Kazanskiy aviatsionnyy institut
(Kazan' Aviation Institute)

Card 3/3

FEDOROV, I. G.

FEDOROV, I.G., inzhener; MNYEVIN, Ye.A., inzhener, nauchnyy redaktor;
TOKER, A.M., tekhnicheskiiy redaktor.

[Making reinforced concrete steps in stock metal forms; from the work practice of the "Makstroi" trust. Izgotovlenie zhelezobetonnykh stupeney v inventarnoi metallicheskoi opalubke; iz opyta raboty tresta Makstroi. Moskva [Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture] 1953. 11 p. (MIRA 7:8)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva.
Tekhnicheskoye upravleniye.
(Reinforced concrete construction)

FEDOROV, I.G.; KARDO-SYSOYEV, F.N., inzhener, nauchnyy redakter.

[New woodworking machines; proposals by instructors on progressive work methods] Noveye derevobrabatyvayushchie stanki; predlozheniia instruktorovпередовых методов труда. Moskva, Gos. izd-vo po stroitel'stvu i arkhitekture, 1953. 22 p. (MLRA 7:6)
(Woodworking machinery)

FEDOROV, I. I., inzhener.

Moscow exhibition of new construction techniques. Mekh.trud.rab. 7 no.8:
42-45 Ag '53.

(MLRA 6:8)
(Building machinery)

FEDOROV, I.O.

Introduction of advanced methods in plastering. *Biul.stroi.tekh.* 10 no.10:
20-22 My '53. (MLBA 6:8)

1. TsBTP Ministerstvo stroitel'stva.

(Plastering)

FEDOROV, I.G., inzhener.

Method of producing reinforced concrete steps in stages. Sbor.mat. o nov.
tekh. v stroi. 15 no.6:26-29 '53. (MLRA 6:5)
(Staircases) (Reinforced concrete construction)

FEDOROV, I.G., inzhener.

**Practical arrangement of concrete reinforcements. Sbor.mat.o nov.
tekh.v stroi. 15 no.10:12-17 '53. (MLRA 6:12)
(Reinforced concrete)**

FEDOROV, I. G.

Subject : USSR/Engineering AID P - 220
Card : 1/1
Author : Fedorov, I. G., Engineer
Title : Standard Formwork for Concrete Construction Designed
by N. I. Gakhov
Periodical : Sbor. mat. o nov. tekhn. v stroit., 1, 12-18, 1954
Abstract : Standard size forms for concrete are suggested. These
standard board units form shutterings which can be
used in various formwork for concrete placing. These
forms have been tried by many construction trusts and
have proved economical. Charts, table.
Institutions: Several Building Trusts
Submitted : No date

FEDOROV, I.G., Inshener.

Exhibition of modern building engineering. Mekh.trud.rab. 8 no.6:
43-45 Ag-S '54. (MLRA 7:9)
(Moscow--Building machinery--Exhibitions) (Building machinery--
Exhibitions--Moscow)

FEDOROV, I.G., inzhener

The Moscow Exhibition of New Construction Technology. Mekh.trud.
rab.9 no.8:30-33 Ag'55. (MIRA 8:10)
(Moscow--Construction industry--Exhibitions)

FEDOROV, I.G., inzhener.

An exhibition of new construction technology. Mekh. trud. rab.
10 no.9:20-24 S '56. (MLRA 9:10)

(Moscow--Construction industry--Exhibitions)

FEDOROV, I. G.

FEDOROV, I. G.

New building techniques; at the Moscow Exhibition of 1957.
Stroitel' no.9:22-24 8 '57. (MIRA 10:12)
(Moscow--Building--Exhibitions)

Author: Fedorov, I. I.

Title: Navigational "Ekholots", Sea Transportation. (Navigatsionnye ekholoty.) 142 p.

City: Moscow

Publisher:

~~Substantive--~~

Date: 1948

Available: Library of Congress

Source: Monthly List of Russian Accessions, Vol. 3, No. 2, Page 97

FEDOROV, I. I.

Results of the second congress of the trade union of geological
prospecting workers and problems of trade-union organizations.
Razved. i okhr. nedr 22 no. 5:1-5 My '56. (MLRA 9:9)

1. Tsentral'nyy komitet profsoyuza rabochikh geologo-
razvedochnykh rabot.
(Trade unions) (Prospecting)

FEDOROV, I.I.

Activity of the editorial board of "Razvedka i okhrana nedr".
Razved. i okh.nedr 24 no.10:61-62 0 '58. (MIRA 12:2)

1. Tsentral'nyy komitet profsoyusa rabochikh geologorazvedochnykh
rabot.

(Geology--Periodicals)

FEDOROV, Ivan Ignat'yevich

[Studies on Chinese popular medicine] Ocherki po narodnoi
kitaiskoi meditsine. Moskva, Medgiz, 1960. 76 p.

(CHINA--MEDICINE, POPULAR)

(MIRA 13:9)

PROCESSED AND PREPARED BY																									
1ST AND 2ND TRIERS													3RD AND 4TH TRIERS												
<p>ca</p> <p>116</p> <p>Oxidation-reduction processes during muscular labor. Change of the oxidation-reduction potential of Ringer solution on passage through an isolated working heart. A. Ju Kharit and I. I. Fedorov, <i>Compt. rend. acad. sci. U. R. S. S. (N. S.)</i>, 1, 68-71 (in German 71-3) (1934). A Ringer or a Ringer-Locke soln. after passage through the heart of Rana shows a reduction of potential against a smooth Pt electrode of 20-61 mv. while the p_H remained const. A 0.0002M KCN soln. addn. reverses the oxidation process and the potential decreases by about 20 mv. Addn. of CO at first increases the potential and then decreases it below normal. F. H. Rathmann</p>																									
<p>ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>																									

PROCESSED AND PROPERTIES INDEX																									
1ST AND 2ND ORDER													3RD AND 4TH ORDER												
<p><i>ca</i> <i>11F</i></p> <p>Oxidation-reduction processes during muscular work II. Oxidation-reduction potential of blood and urine as influenced by muscular labor. A. Yu. Kharit and I. I. Pedorov. <i>Comp. rend. Acad. Sci. U. R. S. S. (N.S.)</i> 1, 130-2 (in German 133-5) (1934); cf. C. A. 28, 3413. The potential of arterial blood decreased from 0.007 to 0.578 v., of venal blood from 0.580 to 0.567 after work (in dogs), and of urine from 0.118 to 0.073 in 40 min. and was normal after 4 hrs. (in man). P. H. K.</p>																									
ASB-ALA METALLURGICAL LITERATURE CLASSIFICATION																									
SOURCE NO.													SOURCE NO.												
101003 417 049 101													011111 041												
101003 417 049 101													011111 041												

114

Carbohydrate metabolism in narcosis. J. I. Enloe.
Bull. Biol. Med. Exptl. U. R. S. S. S. O. 368-71(1940)(in German).—The administration per os of 2 g./kg. body wt. of glucose in 10% soln. to rabbits, and the intravenous injection into dogs and cats, during Et₂O narcosis causes a strong hyperglycemia until the narcosis terminates, after which the blood-sugar values return to normal. In cases of high blood-sugar values during the 1st hr. of narcosis the difference in sugar values between arterial and venous blood decreases and eventually becomes neg., venous blood sugar being higher than arterial sugar. Blood lactic acid increases during narcosis either with or without sugar administration. The intravenous injection of 5 units/kg. body wt. of insulin into dogs and rabbits during Et₂O narcosis caused no decrease in blood sugar until the narcosis terminated. The injection of adrenaline during narcosis caused a greater hyperglycemia than under normal conditions. The lactic acid values were similar to those found after sugar administration in narcosis.
 S. A. Karjala

ASS-51A METALLURGICAL LITERATURE CLASSIFICATION

101 AND 102 (10)		103 AND 104 (10)	
PROCESS AND PROPERTIES INDEX			
116		116	
<p>Carbohydrate metabolism in experimental epilepsy. 1. Fedory, <i>Bull. biol. med. exp.</i> U. S. S. R. 6, 373-8 (1940) (in German).—The exper. development of epilepsy in dogs, rats and mice by subarachnoidal injection of 0.2 ml. of 2% gallic acid, by intraperitoneal injection of 0.1-0.2 ml. of 2% oil of camphor, or by means of an elec. current, causes a hyperglycemia which reaches a max. in 1-3 hrs., falls to normal in approx. 25 hrs. and then gives rise to a marked hypoglycemia. The source of the hyperglycemia was found to be the rapid mobilization and breakdown of glycogen by the liver. A marked increase in blood lactic acid occurs during epilepsy which remains considerably above normal for over 25 hrs. S. A. Karjala</p>			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION			
100000 101 000 001		100000 101 000 001	

COMMON ELEMENTS		PROCESSING AND PROPERTIES NOTES	
<p><i>ca</i></p> <p>The dominant mechanism in the genesis of changes in the calcium and phosphorus picture in the blood after experimental bone fracture. I. I. Fedorov. <i>Bull. Biol. Med. USSR</i>. U. R. S. S. 9, 376-81 (1940) (in German).—The blood Ca and P of dogs were detd. before and after aseptic bone fracture. After the values had returned to normal a nonspecific irritation (nervous irritation) was set up by removal of 8-10 ml. of cerebrospinal fluid, satn. of the fluid with alk. and reinjection by means of suboccipital puncture. A single irritation caused a sharp increase in blood Ca and a decrease in P. Repeated irritations gave increases in both Ca and P. Conclusion: Post-fractural hypercalcemia and hyperphosphatemia are controlled by neurological mechanisms. S. A. Karjala</p>		<p>TOP AND BOTTOM LOGS</p>	
<p>INTERNAL NOTE</p>		<p>COMMON ELEMENTS NOTE</p>	
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>100000 02</p>		<p>100000 02 000 001</p>	
<p>0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100</p>		<p>001101012</p>	
<p>001101012</p>		<p>001101012</p>	

FEDOROV, I. I.

USSR/Medicine - Blood, Fats and Lipoids
Medicine - Urine, Fats and Lipoids

May/Jun 48

"Variations in the Fatty Exchange in Men at High Altitudes," G. Ye. Vladimirov,
I. M. Dedyulin, L. I. Ostrogorskaya, I. I. Fedorov, Biochem Dept, General Physiol
Sec, Inst of Experimental Med, Acad Med Sci USSR, Leningrad, 8 pp

"Fiziol Zhur SSSR" Vol XXXIV, No 3

Reviews history of subject. Describes observations. Concludes that at high altitudes the acetone content in the blood and urine is increased. The β -oxybutyric acid content in the blood also increases with an increase in altitude. Total content of fats in blood plasma remains unaltered. Discussed effects of acclimatization.

PA 13/49T57

FEDOROV, I. I.

33458. Ob okhranitel'nom Vozbuzhdenii. Uchen. Zapiski (Chernovits. Gos. Med. In-t), T. 1, 1949, o. 5-23.

SO. Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

FEDOROV, I. I.

Fedorov, I. I. "On the reactivity of adrenalin with foreign blood", In the collection: Mekhanizm patol. reaktsiy, Issues 11-15, Leningrad, 1949, p. 247-49.

SO: U-4392, 19 August 53, (Letopis 'Zhurnal 'nykh Statey, No 21, 1949).

1797. **The Reflexogenic Zone in the Terminal Portion of the Abdominal Aorta.** (О рефлексогенной зоне области деления брюшной аорты)

I. I. FEDOROV. Архив Патологии [Ark. Patol.] 12, No. 1, 15-22, 1950. 4 figs., 16 refs.

The abdominal aorta of dogs was studied by means of compression and occlusion of its various segments and terminal branches and the introduction into it of such chemical substances as hypertonic saline, adrenaline, acetylcholine, "hexonal", thiopentone, procaine, and barium chloride. The effects of these procedures on the pulse, blood pressure, and electrocardiographic tracings of the heart were observed. A histological study of this region showed that nerve endings were much more numerous in the terminal portion of the aorta than above or below it, and that they were similar in structure to those present in the sinocarotid zone. The observations showed that this part of the aorta contains chemical neuro-receptors.

L. Crane

Abstracts of World Medicine

Vol 8 1950

FEDOROV, I. I.

"Pathophysiological Bases of Blood Transfusion," Kiev, 1951

DZTSIK, Yu.I.; FIDOROV, I.I.

Effective stimulation of the arterial receptors with simultaneous intravenous administration of drugs lowering blood pressure and depressing respiration. Vop. fiziol. no.5:38-42 '53. (MLRA 8:1)

1. L'vovskiy meditsinskiy institut, kafedra patologicheskoy fiziologii.

(ARTERIES, physiology,

eff. of stimulation of receptors with simultaneous intravenous admin. of drugs depressing blood pressure & resp.)

(VEINS, physiology,

eff. of intravenous admin. of drugs depressing blood pressure & resp. with simultaneous stimulation of arterial receptors)

(BLOOD PRESSURE,

eff. of stimulation of arterial receptors with simultaneous intravenous admin. of drugs depressing blood pressure & resp.)

(RESPIRATION,

eff. of stimulation of arterial receptors with simultaneous intravenous admin. of drugs depressing blood pressure & resp.)

PETROV, D.G., dotsent, direktor; FEDOROV, I.I., professor, nauchnyy rukovoditel'.

Intravenous alcohol-thiopental narcosis. Khirurgiia no.6:15-18 Je '53.
(MLBA 6:8)

1. L'vovskiy nauchno-issledovatel'skiy institut perelivaniya krovi i ne-
otlozhnoy khirurgii.
(Anesthesia)

FEDOROV, I. I.

4817. FEDOROV, I. I. Ucheniye I. P. pavlova - nauchnaya osnova meditsiny. kiyev, gosmedizdat ussr, 1954. 104 s. 21sm. (b-ka vracha). 5.000 eks. 4r. 35k. v per. - na ukr. yaz. - (54-58287) 612+61

SO: Knizhnaya Letopis', Vol. 1, 1955

FEDOROV, I.I.

FEDOROV, I.I.: "The process of ossification of the pelvis in X-ray pictures".
Moscow, 1955. Second Moscow Medical Inst imeni I.V. Stalin. (Dissertations
for the degree of candidate of Medical Sciences).

SO: Knizhnaya letonis' No 44, 29 October 1955. Moscow.

Fedorov, I. I.

USSR/ Medicine - Physiology

Card 1/1 Pub. 22 - 51/52

Authors : Fedorov, I. I.; Khodosevich, P. K.; Fedorova, Z. P.; and Gosteva, E. A.

Title : ~~XXXXXXXXXX~~
Distribution of radioactive P and I in the organs of rabbits in normal state, pentotal narcosis and in state of strong stimulation

Periodical : Dok. AN SSSR, 100/2, 393-396, Jan 11, 1955

Abstract : Experimental data are presented regarding the change in functional state of the nervous system on the distribution of radioactive P and I in the organs of underfed rabbits. Results obtained led to a conclusion that any change in the functional state of the central nervous system positively affects the intensity of the organs in the absorption of the radioactive P and I. Seven USSR references (1947-1953). Table.

Institution : Scientific Research Institute of Blood Transfusion, Lvov

Presented by : Academician L. A. Orbell, September 24, 1954

FEDOROV, Ivan Ignet'varich, professor; BOGOMOLITS, O.A., redaktor;
GITSHENIN, A.D., tekhnicheskij redaktor

[Alcohol-glucose-citrate blood and its medical use] Spirto-glukozo-
tsitratnaya krov' i ee lechebnoe primeneniye. Kiev, Gos. med. izd-vo
USSR, 1956. 149 p. (MIRA 10:4)

(BLOOD--COLLECTION AND PRESERVATION)

(BLOOD--TRANSFUSION)

USSR/Pharmacology and Toxicology. Analgesics

V-3

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 47150

Author : Detsik Yu.I., Fedorov I.I.

Inst : -

Title : On the Epileptogenic Effect of Pyramidon

Orig Pub : Fiziol. zh. 1957, 3, No 3, 31-35

Abstract : The effect of large doses of pyramidon (P) was studied on guinea pigs, rabbits, cats, and dogs, by intravenous and intracysternal administration of a 4% aqueous solution of P. Duration of administration was 3-5 sec. In guinea pigs, the intravenous epileptogenic dose of P was 65-80 mg/kg.; in dogs, cats and rabbits it was 50-60 mg/kg.; and in intracysternal introduction it was 8 mg/kg. After administration of P in the indicated doses, an attack of tonoclonic convulsions developed immediately. 2-4 hours after epileptic attack, no essential disorders of the general condition were observed in the animals. -- G.N. Artemenko

Card : 1/1

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Epilepsy T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97878

Author : Fedorov, I. I., Zapadniuk, V. G.

Inst : Not given

Title : The Significance of Neuroreflectory Components in the Mechanism of Appearance of Experimental Convulsive Attacks

Orig Pub: Fiziol. zh., 1957, 3, No 5, 119-123

Abstract: It was established in experiments on 8 dogs that a perfusion of humorally isolated carotid sinus uni- or bilaterally with a 4 percent solution of pyramidon (P) does not produce convulsive attacks, despite the fact that acceleration of breathing,

Card 1/2

87

*Novos Med. Inst.
Chair Pathol. Physiol.*

USSR / Human and Animal Physiology (Normal and Pathological). Nervous System. Epilepsy T

Abs Jour: Ref Zhur-Biologiya, No 21. 1958, 97878

screaming, and motor excitement of animals evidence the reflectory effect of P introduction into the common carotid artery in minimal doses (2.5 to 3 milligrams per kilogram) induces a convulsive attack. Intravenous and suboccipital introduction of P induces an attack with considerably larger doses. Apparently in the mechanism of the P effect, along with irritation of the receptors of carotid sinus, its effect on the receptors of other vascular zones and internal organs, as well as directly on the CNS, has great significance. S. A. Dolina

Card 2/2

FEDOROV, I.I.; TKACH, Ye.A.; FEDOROVA, Z.P.

Radioactive phosphorus content of the blood and its elimination through the kidneys under normal conditions and during pentothal narcosis. Vrach, delo no. 8:813 Ag '57. (MLRA 10:8)

1. L'vovskiy institut perelivaniya krovi
(PHOSPHORUS--ISOTOPES) (THIOPENTAL)

USSR / General Problems of Pathology. Shock.

U-4

Abs Jour : Ref Zhur - Biol., No. 10, 1958, No. 46754

Author : Wu I-Ting, Wang Hung-hsiu, Fedorov, I. I., Fang Chang-chyun

Inst : Not given

Title : Intraarterial Injections of Sodium Lactate as a Method of Increasing Blood Pressure in Traumatic Shock.

Orig Pub : Arkhiv patologii, 1957, 19, No. 8, 32-37.

Abstract : Shock was produced in dogs by striking them 420-780 times on the hip. Ten to 15 minutes after a stable decrease of blood pressure (BP) to 60-50 mm of the mercurial column, 1 ml/kg of a freshly prepared 4-20 percent solution of neutrally reacting sodium lactate (I) was injected intra-arterially. BP was immediately restored and it even exceeded the initial level. Although subsequently it decreased again, it still remained higher than at the

Card 1/2

Chair Pathophysiology Peking Med Inst

USSR / General Problems of Pathology. Shock.

U-4

Abs Jour : Ref Zhur - Biol., No. 10, 1958, No 46754

Abstract : instance of shock. The speed of the blood circulation fell during shock and remained low even after the injection of (I). The constriction reflex of carotid arteries became restored after (I) was administered. Thus, (I) has only a temporary hypertension effect. Since no complex treatment of shock was instituted, all dogs died after a period of several hours to 3 days.

Card 2/2

FEDOROV, I. I.

FEDOROV, I. I.; POLOTAY, V. A. (L'vov)

Appearance and disappearance of trophic ulcers following section of the sciatic nerve [with summary in English]. Arkh.pat. 19 no.9:74-78 (MIRA 10:12) '57.

1. Iz kafedry gistologii Chernovitskogo meditsinskogo instituta.
(ULCER, experimental,
trophic after section of sciatic nerve, appearance &
disappearance (Rus))
(NERVERS, SCIATIC, physiology,
section causing trophic ulcer, appearance &
disappearance (Rus))

FEDOROV, Ivan Ignat'yevich [Fedorov, I.I.], prof., doktor med. nauk; ASHTAMOV, O.I., doktor med. nauk, red.; IAZORNIK, M.F., red. vii-vv.

[Popular medicine in China] Narodna medytayna Kytain. Kyiv, 1958.
35 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh
znan' Ukraini'koi RSR, Ser.5, no.6). (MIRA 11:7)
(China--Medicine, Popular)

FEDOROV, I.I., prof. (L'vov)

"The tumorous process and the nervous system" by R.E.Kavetskii
and others. Reviewed by I.I.Fedorov. Vrach.delo no.3:313-
315 Nr '59. (MIRA 12:6)
(CANCER) (NERVOUS SYSTEM) (KAVETSKII, R.E.)

FEDOROV, I.I., kand. med. nauk.

Clinico-roentgenological diagnosis of broncho-pulmonary cysts. Sov.
med. 23 no.3:73-77 Mr '59. (MIRA 12:4)

1. Iz kafedry rentgenoradiologii (zav. - prof. V. A. D'yachenko) II
Moskovskogo meditsinskogo instituta imeni N.I. Pirogova i kafedry rentgeno-
radiologii (ispolnyayushchiy obyazannosti zav. kafedroy - kand. med.
nauk I.I. Fedorov) I Moskovskogo ordena Lenina meditsinskogo instituta
imeni I.M. Sechenova.

(LUNGS, cysts.
broncho-pulm., diag. (Rus))
(BRONCHI, cysts,
same)

FEDOROV, I.I., kand.med.nauk; FEDOROVA, A.S., kand.med.nauk

Clinical and roentgenological diagnosis of gastric burns. Sov.med.
23 no.8:26-31 Ag '59. (MIRA 12:12)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. V.A. D'yachenko)
II Moskovskogo meditsinskogo instituta i terapevticheskogo otdeleniya
TSentral'nogo instituta kurortologii (dir. G.N. Pospelova).
(CAUSTICS eff., inj.)
(STOMACH diseases)
(ESOPHAGUS diseases)

FEDOROV, N. A. Engr

PA 167T85

USSR/Metals - Welding

Oct 50

"One-Sided Automatic Welding of Low-Carbon Steel
Up to 16 Millimeters Thick," Engineers N. A.
Fedorov, A. I. Kuzin, T. Ya. Shandra

"Avtogen Delo" No 10, pp 17-20

Suggests one-sided welding under flux as most
economical method, not requiring preliminary
preparation of edges. Describes development of
method for welding 900-1,032 mm diameter boilers
made of steel 13-16 mm thick and construction of
flux-supplying devices for straight and circular
joints. Mechanical characteristics are no lower
than those of joints welded from both sides.

167T85

1.2300A

1.2310

88686

S/137/61/000/001/022/043
A006/A001

Translation from: Referativnyy zhurnal, Metallurgiya, 1961, No. 1, p. 10, # 1E75

AUTHORS: Bel'chuk, G.A., Gluskin, D.Ya., Fedorov, N.A.

TITLE: On the Problem of Welding Aluminum and Its Alloys With Steel

PERIODICAL: "Tr. Leningr. korablestroit. in-ta", 1959, No. 29, p. 257

TEXT: Information is given on experimental argon-arc building-up and welding of Al and its alloys (AMr-6T (AMg-6t) type) with steel on whose surface a 0.1 mm thick Al, 0.04 mm thick Zr or 0.02 - 0.05 mm thick Ni layer had been previously applied. The following welding technology is recommended: an Al layer is applied on the steel surface by "allitization" (allitirovaniye) or a Zn layer by hot zinking. On this surface a 20 - 25 mm wide Al layer is welded (3 - 4 beads); then Al or its alloys are welded on the built-up layer by any type of joint. The average tensile or shearing strength of a welded joint is 9-11 kg/mm² at an Al-coating and 4-8 kg/mm² at a Zn-coating. The strength of the joint is reduced when welding without preliminary building-up.

V. B.

Translator's note: This is the full translation of the original Russian abstract.
Card 1/1

BEL'CHUK, G.A.; GLUSKIN, D.Ya.; FEDOROV, N.A.

Welding aluminum and its alloys to steel. Trudy LKI no.34:
15-22 '61. (MIRA 15:8)

1. Kafedra svarki sudovykh konstruktsiy Leningradskogo
korablestroitel'nogo instituta (for Bel'chuk). 2. Kafedra
metallovedeniya Leningradskogo korablestroitel'nogo instituta
(for Gluskin).

(Aluminum--Welding) (Steel--Welding)

ZAYKOV, M.A.; TSELUYKOV, V.S.; KAMINSKIY, D.M.; KUZNETSOV, A.P.;
BELINSKIY, Ye.D.; SHAMETS, Ya.V.; FEDOROV, N.A.; BARITSKIY,
S.I.; ZAKHAROV, A.I.; ZHURAVLEV, M.A.; KOBYZEV, V.K.

Investigating energy and power parameters in plate rolling
on reversing mills. Izv. vys. ucheb. zav.; Chern. met. 7
no.2:100-107 '64. (MIRA 17:3)

ZAYKOV, M. A.; FEDOROV, N. A.

Investigating forces and moments during the rolling of flanged
shapes. Izv.vys.uchet.zav.; chern.met.7 no. 4:103-108 '64.
(MIRA 17:5)

1. Sibirskiy metallurgicheskiy institut.

TSELUYKOV, V. S.; ZAYKOV, M. A.; FEDOROV, N. A.

Distribution of torque in the spindles of two-high reversing
medium sheet mills. Izv. vys. ucheb. zav.; Chern. met. 7 no.6:
109-113 '64. (MIRA 17:7)

1. Sibirskiy metallurgicheskiy institut.

YUMATOV, B.P.; SHUBODEROV, V.I., aspirant; FEDOROV, N.A., aspirant

Analysis of the practice of using skip hoists and the effectiveness
of their introduction in the quarries of nonferrous metallurgy.
Izv.vys.ucheb.zav.; geol.i razv. 8 no.11:128-134 N '65.

(MIRA 18:12)

1. Moskovskiy geologorazvedochnyy institut imeni S.Ordzhonikidze.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, H.A.

Some problems in controlling the process of underground coal
gasification. Podzem.gaz.ugl. no.1:16-21 '57. (MIRA 10:7)

1. VNIIPodzemgaz.
(Coal gasification, Underground) (Engineering research)

FEDOROV, N.A.: GOLYER, S.P.

Experience in joining vertical and inclined borings in coal seams.
Podzem.gaz.ugl. no.2:50-51 '57. (MLRA 10:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Podzemgaz.
(Coal gasification, Underground) (Boring)

FEDOROV, N.

A great technical achievement. Tekh.mol. 25 no.10:17-18 0 '57.
(MIRA 10:10)

1. Zamestitel' direktora po nauchnoy chasti Vsesoyuznogo nauchno-
issledovatel'skogo instituta podzemnoy gazifikatsii ugley.
(Coal gasification)

FEDOROV, N.

152. Use of Electricity for Starting Gasification of Coal Seams

In his article, "Coal Is Burning Underground," N. Fedorov describes several methods of making connecting channels between wells in underground coal gasification systems.

"Connecting channels between wells can be secured by lowering electrodes to the level of the coal seam and by applying high voltage to them. An electric circuit is formed in which the coal layer between wells acts as a conductor. The current heats and cokes the coal. Coking proceeds from the electrodes toward each other, until they meet. Since the coke is a good conductor, a greater current starts to flow with a lower voltage. The heat liberated from the passing of current through the coke "core" heats the adjacent coal layers, and thus promotes further coking. The coke, being porous, permits easy passage of an air blast. Such a method of connecting the wells is called the electric junction. This method decreases, in many instances, the time for joining the wells and reduces the power consumption. It is now widely used at the Moscow Basin station "Podzemgaz." (Znaniye-Sila, No 2, Feb 57, pp 13-16) (U)

~~FEDOROV, N. H.~~

AGROSKIN, A.A., doktor tekhn.nauk; SUKHOTINSKAYA, T.M.; ~~FEDOROV, N.A.~~

Moisture balance in the process of underground gasification. Podzem.
gaz.ugl. no.1:25-28 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gasifikatsii ugley.
(Coal gasification, Underground)

FERBEROV, I.L., doktor tekhn.nauk; BRUSHTYIN, M.Z., kand.tekhn.nauk; MUSINOV, G.O.;
PITIN, R.N.; FEDOROV, N.A., inzh.

Hydraulic fracturing of strata during underground coal gasification.
Podzem.gaz.ugl. no.1:31-34 '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gazifikatsii ugley i Institut goryuchikh iskopayemykh im.
G.M. Krzhizhanovskogo AN SSSR.
(Coal gasification, Underground)

FEDOROV, N.A.

Investigating certain problems of preparing coal seams for
gasification without mining. Podzem. gaz. ugl. no.1:26-30
'59. (MIRA 12:6)

1.VNIIPodzengas.
(Coal gasification, Underground)

FEDOROV, N.A.; KREYNIN, Ye.V.

Preparation without mining of the Kuznetsk Basin "4th Inner"
(9m. thick) coal seam. Podzem.gaz.ugl. no.2:6-10 '59.
(MIRA 12:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut
podzemnoy gazifikatsii ugley.
(Kuznetsk Basin--Coal gasification, Underground)
(Boring)

FEDOROV, N.A., inzh.

Determining the best number of seams to be connected with
one group drift. *Izv.vys.ucheb.zav.*; *gor.shur.* no.7:27-31
'59. (MIRA 13:4)

1. *Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskii*
institut imeni S.M.Kirova, Rekomendovana kafedroy razrabotki
plastovykh mestorozhdeniy.
(Mining engineering)

FEDOROV, N.A. ; SVIRIDOV, A.Ye.

~~Aerial~~ Aerial photogrammetry in large-scale mapping of coal deposits. Trudy Lab.aeromet. 7:253-256 '59. (MIRA 13:1)

1. Vsesoyuznyy topografo-marksheyderskiy trest (Soyuzmarkshtrest).
(Aerial photogrammetry) (Geological surveys)

FEDOROV, N.A., inzh.

Preparation of adjacent layers with one conveyer drift. Izv. vys.
ucheb. zav.; gor. zhur. no.9:16-19 '59. (MIRA 14:6)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskii
institut imeni S. M. Kirova. Rekomendovana kafedroy razrabotki
plastovykh mestorozhdeniy.
(Kuznets Basin—Coal mines and mining)

SKAPA, Petr Vladimirovich; ~~FEDOROV, N.A.~~, inzh., otv.red.; GRISHAYENKO,
M.I., red.isd-va; IL'INSKAYA, G.M., tekhn.red.

[Underground gasification of coal] Podzemnaia gazifikatsiia
uglei. Moskva, Gos.nauchno-tekhn.isd-vo lit-ry po gornomu delu,
1960. 321 p. (MIRA 13:11)
(Coal gasification, Underground)

FEDOROV, N.A., inzh.

Efficient level developing in mines in the Anzhero-Sudzhensk District of the Kuznets Basin. Izv.vys.ucheb.zav.; gor.zhur. no.4:18-22 '60. (MIRA 14:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskii institut imeni S.M.Kirova. Rekomendovana kafedroy razrabotki plastovykh mestorozhdeniy.

(Kuznets Basin--Coal mines and mining)

GOLGER, S.P.; DERMAN, B.M.; LAVROV, N.V.; FARBEROV, I.L.; FEDOROV, N.A.

Production of industrial gas in the underground gasification of
Lisichansk coals. Trudy IGI 13:83-86 '60. (MIRA 14:5)
(Lisichansk—Coal gasification, Underground)

ANDRIANOV, A.P., starshiy prepodavatel'; GUSEV, I.P., dotsent; KUZNETSOV, L.A., starshiy prepodavatel'; PROSKURIN, V.V., dotsent; FEDOROV, N.A., starshiy prepodavatel'

Clay breakthroughs in mining. Izv.vys.ucheb.zav.; gor.zhur.
no.3:15-18 '61. (MIRA 15:4)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskoy institut imeni S.M.Kirova; rekomendovana kafedroy razrabotki plastovykh mestorozhdeniy Tomskogo politekhnicheskogo instituta.
(Prokop'yevsk region—Coal mines and mining) (Clay)

FEDOROV, N.A.; DMITRIYEV, A.V.; LUK'YANOV, S.V.; KORNIYENKO, P.P.

Studying the process of the hydraulic fracturing of
coal seams. Nauch. trudy VNII Podzemgaza no.6:66-78
'62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennykh ugley Vsesoyuznogo
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii
ugley.

(Coal gasification, Underground)
(Hydraulic mining)

FEDOROV, N.A.

Methods of evaluating the systems of connection linking.
Nauch. trudy VNII Podzemgaza no.6:79-85 '62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennykh ugley Vsesoyuznogo
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii
ugley.

(Coal gasification, Underground)

FEDOROV, N.A.

Nature of gas formation in the case of counterflow connection linking. Nauch.trudy VNIIPodzemgaza no.7:3-4 '62. (MIRA 15:11)

1. Laboratoriya gazifikatsii kamennykh ugley Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii ugley.

(Coal gasification, Underground)

FEDOROV, N.A.

Rate of coal reaction in case of a counterflow fire zone drift in
slit channels. Nauch.trudy VNIIPodzemgaza no.7:5-7 '62.
(MIRA 15:11)

1. Laboratoriya gazifikatsii kamennykh ugley Vsesoyuznogo
nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii
ugley.

(Coal gasification, Underground)

KIRICHENKO, I.P., kand. tekhn. nauk; PITIN, R.N., kand. tekhn. nauk;
FARBEROV, I.L., doktor tekhn. nauk; FEDOROV, N.A., kand. tekhn.
nauk

Some problems in recovery without mining and in underground
preparation of fuels and other minerals. Nauch. trudy
VNIIPodzemnaya no.8-10 '62. (MIRA 16:6)

1. Institut goryuchikh iskopayemykh Gosudarstvennogo komiteta
po toplivu i Vsesoyuznyy nauchno-issledovatel'skiy institut
podzemnoy gazifikatsii ugley.

(Coal gasification, Underground)

(Sublimation(Physical sciences))

FEDOROV, N.A.; BELYANOVA, Ye.M.; GRIDNEVA, K.I.; RAKOVSKIY, V.Ye.;
KUNIN, A.M.; YAKOB, N.S.

Composition and ways of using the liquid products of underground gasification of coals. Nauch. trudy VNIIPodzemgaza no.8:95-103 '62. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut podzemnoy gasifikatsii ugley, Kalininskiy torfyanoy institut i Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvo-vedeniya.

(Coal gasification, Underground--By-products)

KOVACHEVICH, P.M., prof.; FEDOROV, N.A., kand.tekhn.nauk; ANDRIANOV, A.P.,
inzh.; BOBER, Ye.A., inzh.; GORBACHEV, D.T.; DENISOV, V.V.; KONONCHUK,
G.I., brigadir

Work practices of the brigade of G.I.Kononchuk at "Berezovskaya-
1" Mine in the Kuznetsk Basin. Ugol' 38 no.3:1-6 Mr '63.

(MIRA 18:3)

1. Kemerovskiy gornyy institut (for Kovachevich, Fedorov, Andrianov,
Bober). 2. Glavnyy inzh. tresta Kemerovougol' (for Gorbachev).
3. Glavnyy inzh. shakhty "Berezovskaya-1" tresta Kemerovougol' (for
Denisov). 4. Shakhta "Berezovskaya-1" tresta Kemerovougol' (for
Kononchuk).

FEDOROV, N.A.

Permeability of coal seams to gas and selection of a means of creating channels permeable to gas. Nauch. trudy VNIIPodzemgaza no.10:39-42 '63. (MIRA 17:5)

1. Laboratoriya tekhnologii podzemnoy gazifikatsii kamennykh ugley Vsesoyuznogo nauchno-issledovatel'skogo instituta podzemnoy gazifikatsii ugley.

BOBER, Ye.A.; SMIRNOV, V.N.; FEDOROV, N.A.

Some results of investigating manifestations of rock pressure during
auto-loader mining operations. Vop.gor.davl. no.22:10-18 '64.

(MIRA 18:6)

1. Kemerovskiy gornyy institut.

BOBER, Ye.A.; PROSKURIN, V.V.; FEDOROV, N.A.; REYMAROV, V.A.

Full-scale measurements of rock pressure in development workings
at mine 5-7 of the Anzherougol' Trust. Vop. gor. davl. no.17:10-
13 '63. (MIRA 18:9)

1. Kemerovskiy gornyy institut (for Bober, Proskurin, Fedorov).
2. Shakhta 5-7 Tresta Anzherougol', Anzherskiy rayon (for Reymarov).

PUGACHEV, A.S.; FEDOROV, N.A., otvetstvennyy redaktor; ZHIRMUNSKAYA, I.A.,
redaktor; FRUMKIN, P.S., tekhnicheskiiy redaktor

[Layout work in shipbuilding] Sudovye razmetochnye raboty. [Lenin-
grad] Gos. izd-vo sudostroit. lit-ry, 1953. 155 p. [Microfilm]
(Shipbuilding) (MLRA 7:10)

GRISHCHENKO, S.S.; FEDOROV, N.A.; FROLOV, P.V., inzhener, redaktor;
PETERSON, M.M., tekhnicheskiy redaktor.

[How a ship is built] Kak stroitsia sudno. Leningrad, Gos.
soiuznoe izd-vo sudostroitel.promyshl., 1954. 81 p. (MLRA 8:11)
(Shipbuilding)

BUTOMA, B.Ye.; SOKOLOV, P.A.; BALAYEV, D.N.; SERGEYEV, N.M.; SHUMSKIY, K.A.;
 TYAPKIN, M.Ya.; SMIRNOV, V.A.; PIROGOV, N.I.; FEDOROV, N.A.;
 GOLYASHKIN, G.S.; KUZ'MIN, A.P.; AKULINICHEV, V.P.; brigadir; GOREBENKO,
 Ye.M.; BYSTREVSIIY, L.M., inzh.; STEPANOV, P.S., brigadir; Us, I.S.,
 brigadir-sudosborshchik, deputat Verkhovnogo Soveta SSSR; USTINOV,
 P.D., slesar'-sborshchik; PINOGENOVA, N.Ya., tokar'; LERNER, M.;
 ALEKSEYEV, R.Ye.; SIVUKHIN, K., starshiy master; OSTAF'YEV, A.I.;
 TROFIMOV, B.A., inzh.; KOVRYZHKIN, V.F., inzh.; MOISEYEV, A.A., prof.;
 GOLUBEV, N.V.; MOGILEVICH, V.I.; ANDRYUTIN, V.I.; ANDRIYEVSKIY, M.I.;
 MATSKEVICH, V.D., dots.

Shipbuilders prepare for the 21st Extraordinary Congress of the CPSU.
 Sudostroenie 25 no.1:1-25 Ja '59. (MIRA 12:3)

1. Predsedatel' Gosudarstvennogo komiteta Soveta Ministrov SSSR po
 sudostroyeniyu, ministr SSSR (for Butoma). 2. Nachal'nik upravleniya
 sudostroitel'noy promyshlennosti Leningradskoy oblasti (for Sokolov).
 3. Direktor Baltiyskogo sudostroitel'nogo zavoda im. S.Ordzhonikidze
 (for Balayev). 4. Nachal'nik tsakhov Baltiyskogo sudostroitel'nogo
 zavoda im. S. Ordzhonikidze (for Sergeyev, Shumskiy). 5. Nachal'nik
 mekhanicheskogo tsakha Baltiyskogo sudostroitel'nogo zavoda im. S.
 Ordzhonikidze (for Tyapkin). (Continued on next card)

BUTOMA, B.Ye.---(continued) Card 2.

6. Brigada kommunisticheskogo truda Baltiyskogo sudostroitel'nogo zavoda im. S. Ordzhonikidze (for Smirnov). 7. Glavnyy inzhener Admiralteyskogo sudostroitel'nogo zavoda, Leningrad (for Pirogov). 8. Glavnyy inzhener sudostroitel'nogo zavoda im. A.A. Zhdanova (for Fedorov). 9. Nachal'nik elektrodного tsakha Sudostroitel'nogo zavoda im. A.A. Zhdanova (for Golyashkin). 10. Nachal'nik tsakha kommunisticheskogo truda sudostroitel'nogo zavoda im. A.A. Zhdanova (for Kuz'min). 11. Malyarnyy tsakh sudostroitel'nogo zavoda im. A.A. Zhdanova (for Akulinichev). 12. Glavnyy inzhener Nikolayevskogo sudostroitel'nogo zavoda im. I.I. Nosenko (for Gorbenko). 13. Nikolayevskiy sudostroitel'nyy zavod im. I.I. Nosenko (for Bystrevskiy, Us, Ustinov, Finogenova). 14. Slesarno-sborochnaya brigada Nikolayevskogo sudostroitel'nogo zavoda im. I.I. Nosenko (for Stepanov). 15. Zamestitel'nachal'nika konstruktorskogo byuro sudostroitel'nogo zavoda "Krasnoye Sormovo" (for Lerner). 16. Glavnyy konstruktor konstruktorskogo byuro sudostroitel'nogo zavoda "Krasnoye Sormovo" (for Alekseyev). 17. Sudostroitel'nyy zavod "Krasnoye Sormovo" (for Sivukhin). 18. Direktor sudostroitel'nogo zavod "Leninskaya kuznitsa" (for Ostaf'yev). 19. Sekretar' partkoma TSentral'nogo nauchno-issledovatel'skogo instituta (for Trofimov). (Continued on next card)

BUTOMA, B.Ye.--(continued) Card 3.

20. Predsedatel' Leningradskogo oblastnogo pravleniya Nauchno-tekhnicheskogo otdela sudostroitel'noy promyshlennosti (for Moiseyev). 21. Glavnyye inzhenery Konstruktorskogo byuro (for Golubev, Andryutin).
 22. Glavnyy konstruktor Konstruktorskogo byuro (for Mogilevich).
 23. Nachal'nik TSentral'nogo tekhniko-konstruktorskogo byuro (for Andriyevskiy). 24. Zamestitel' direktora Leningradskogo korablestroitel'nogo instituta po uchebnoy chasti (for Matskevich).
- (Shipbuilding)

TRESKUNOV, Petr Iosifovich; KOMAN, A.A., inzh., retsenzent; MALOV, A.N.,
inzh.; FEDOROV, N.A., inzh.; DMITRIYEV, V.P., inzh., otv.red.;
LISOK, E.I., red.; KRYLOVA, D.M., tekhn.red.

[Cutter and press-worker] Rezhik-pressovshchik. 2., perer. 1
ispr.izd. Leningrad, Gos.soiuznoe izd-vo sudostroit.promyshl.,
1961. 146 p. (MIRA 15:2)
(Hulls (Naval architecture)) (Shipbuilding)

BELYAYEV, Georgiy Sergeyevich; FEDOROV, N.A., inzh., retsenzent; TISHKOVETS, I.V., inzh., retsenzent; KOKICHEV, V.N., nauchnyy red.; OZKROVA, Z.V., red.; SHISHKOVA, L.M., tekhn. red.

[Mechanization of fitting and assembling operations in marine engineering] Mekhanizatsiia slesarno-sbornykh i montazhnykh rabot v sudovom mashinostroenii. Leningrad, Gos. soizuznoe izd-vo sudostroit. promyshl., 1961. 267 p. (MIRA 14:6)
(Marine engineering) (Shipfitting)

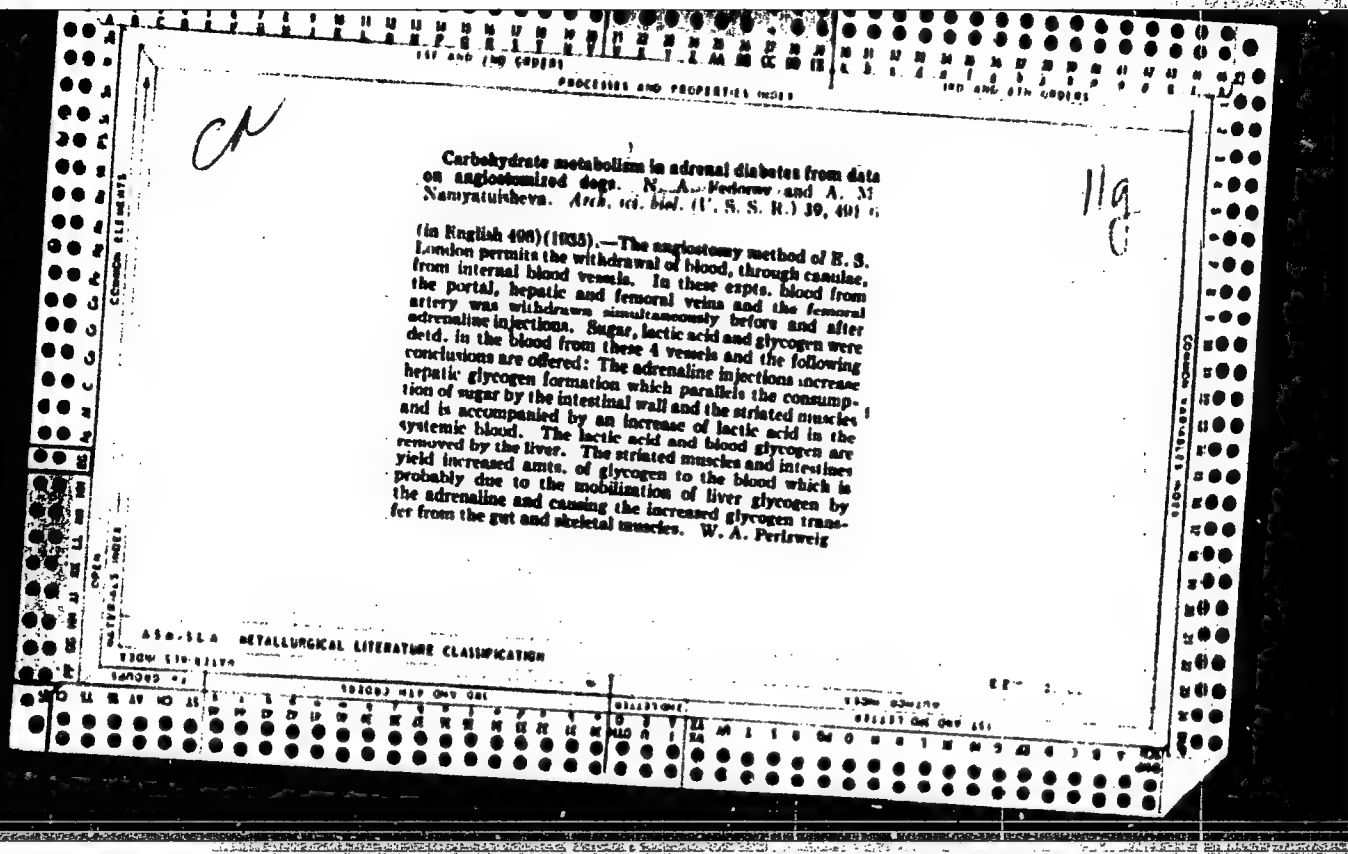
KUZ'MENKO, Vladimir Kuz'mich, dots.; FEDOROV, Nikolay Aleksandrovich;
FRID, Yevsey Grigor'yevich; ADLERSHTEYN, L.TS., inzh., re-
tsenzent; SOKOLOV, V.F., inzh., retsenzent; SOSIPATROV, O.A.,
red.; FRUMKIN, P.S., tekhn. red. . . .

[Shipfitter's handbook] Spravochnik sudovogo sborshchika. Pod
obshchei red. V.K.Kuz'menko. Leningrad, Sudpromgiz, 1962.
327 p. (MIRA 16:4)

(Shipfitting)

BOYNOVICH, Don Iesifovich; ISAKOV, Vasilii Petrovich; PISHNOV,
Semen Elevich; KEZLING, G.B., inzh., retsenzent;
FEDOROV, N.A., nauchn. red.; KUSKOVA, A.I., red.

[Mechanization of the manufacture of products for the
outfitting of ships] Mekhanizatsiia izgotovleniia sude-
vykh dostroechnykh izdelii. Leningrad, Sudostroenie,
1964. 179 p. (MIRA 18:2)



FEDOROV, N. A.; GRABETSKIY, A. A.; LISENKO, N. V.; DAGAEVA, L. N.; BOROVSKIY, Ye. V
ROZHANSKIY, M. Ye.; PROKHONCHUKOV, A. A.

Radioactive Tracers

Studies on mineral metabolism in hard tissue of the tooth with the aid of radioactive tracers. Stomatologiia, No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620015-0"

FEDOROV, H.A.

[Experimental and clinical material from a study of new cytotoxic
serums] Eksperimental'no-klinicheskie materialy po issledovaniiu
novykh tsitotoksicheskikh syvorotol. Moskva, Medgiz, 1956. 130 p.
(SERUMS) (MLRA 9:7)

State Dept. Sec. 100-100000
Medical Div.

POBEDINSKIY, M.N., prof., FEDOROV, N.A., prof.

International Conference on Radiobiology in Cambridge, England,
August 14-17, 1955. Arkh.pat. 18 no.3:131-135 '56 (MIRA 11:10)
(CAMBRIDGE, ENGLAND--RADIOBIOLOGY--CONGRESSES)

FEDOROV, N. A.

USSR/General Problems of Pathology - Allergy.

S-2

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71339

Author : Fedorov, N.A., Gurvich, A.E.

Inst :

Title : On the Problem of Differentiation of Antibodies Conditioning Anaphylaxis, from Precipitins.

Orig Pub : Arkhiv patologii, 1956, 18, No 6, 52-55

Abstract : Protein preparations - sera 24 and 32, in spite of the absence in tests with guinea pigs of anaphylactic properties, are capable of producing precipitins in rabbits. Evidently the anaphylaxis is produced by special antibodies, different from precipitins or at least not identical with precipitins.

Card 1/1

- 9 -

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USSR / Human and Animal Physiology (Normal and Pathological).
Digestion.

T

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60414

Author : Fedorov, N. A.; Dagayeva, L. N.

Inst : ~~Not given~~ *by kafedry patofiziologii (per. - prof. N. A. Fedorov),*

Title : Neurotrophic Changes in the Hard Tooth Tissues as Reflected by Calcium Metabolism *moshkovskogo*

Orig Pub : Stomatologiya, 1957, No 6, 7-11

*meditsinskogo stomatologicheskogo
instituta*

Abstract : After severance of the lower alveolar nerve and the denudation of the alveolar artery in dogs killed within different intervals after the denervation of the lower jaw and a week after the introduction of Ca^{45} , the inclusion of Ca^{45} into the hard tissues decreased at first, then increased, and after 4 - 8 weeks dropped sharply, which evidently indicated a neurodystrophic process in the tooth tissues. After the removal of the upper sympathetic plexus cervicalis in cats, a decrease in the Ca^{45} inclusion into the hard tissues of teeth was observed.

~~Card 1/2~~

USSR / Pharmacology and Toxicology. Tranquilizers.

V-2

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75709

Author : Merkulov, M. F.; Fedorov, N. A.; Poberiy, I. A.

Inst : Second Moscow Medical Institute

Title : Autoradiographic Study of the Spread of S^{35} -Aminazine in the Tissues of Rats.

Orig Pub : Uch. zap. 2-go Mosk. med. in-ta, 1957, 6, 190-196.

Abstract : 50 mg/kg of aminazine- S^{35} (I) was introduced in rats internally and slowly; in 20 minutes the animals were sacrificed and the content of I was determined in the tissues. With the methods used in treatment of the tissues, a significant part of the radioactivity was washed out; therefore, the autographs obtained showed the spread only of those fractions of I that were solidly connected with the structural parts of the cells. In the lungs, a selective accumulation

Card 1/2

USSR / Pharmacology and Toxicology. Tranquilizers.

V-2

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75709

of I was noted in the nuclei of the epithelial cells of the alveoli; in the kidneys, I is concentrated predominantly in the spleen, the accumulation of I in the follicles exceeds the level of I in the red pulp. A comparatively great concentration of I is found in the follicles of the thyroid gland. In the brain, grey matter absorbs I approximately twice as intensively as does the white. In the tissues of the adrenals and the liver, the spread of I has a more diffuse character.

Card 2/2

USSR / Pharmacology and Toxicology. Tranquilizers.

V-2

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75698

Author : Fedorov, N. A.

Inst : ~~Second~~ Moscow Medical Institute

Title : Dynamics of the Spread and Isolation of S^{35} Promazine in Rats and Rabbits with Different Methods of Administering the Drug.

Orig Pub : Uch. zap. 2-y Mosk. med. in-t, 1957, 6, 197-204

Abstract : With the internal introduction of promazine S^{35} (I), the greatest concentration is noted in the lungs; the least, in the blood with a maximum in 7-15 minutes after its introduction. In the brain, I spreads evenly; its content here is higher than in the spinal cord. With intraabdominal introduction, the greatest concentration of I is found in the small intestine. With subcutaneous introduction, I enters the blood very slowly, and therefore the concentration

Card 1/2

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V

Abs Jour: Ref Zhur-Biol., No 9, 1958, 42287.

Author : ~~Fedorov, N. A.~~

Inst : Not Given.

Title : Distribution of S^{35} of Aminazine in Various Sections of the Central Nervous System and Organs of Dogs and Rabbits.

Orig Pub: Zh. nevropatol. i psikiatrii, 1957,⁵¹No 6, 761-767.

Abstract: The body distribution of aminazine (I) marked with S^{35} was studied in dogs and rabbits. I was given in single injections, 2 mg/kg to dogs, 10 mg/kg to rabbits. The highest concentration of I was noted in the lungs. Next came the adrenals, then the liver, intestines, hypophysis, the medulla oblongata and the subcortical structures. Only traces of I were noted in the blood 15 minutes

Card 1/2

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\ Abs Jour: Ref Zhur-Biol., No 9, 1958, 42287.

Abstract: after intramuscular injections of I. The maximum concentration of I in dogs was noted in the spinal cord and in the subcortical and trunk sections of the brain after 6 hours following injection. The content of I in the cortex of the brain of dogs began to decrease within 2-1/2 hours after injection. The distribution of I in the various sections of the brain and spinal cord is more uniform in rabbits than in dogs. The greatest concentration of I is noted within 2 hours after injection. It is possible that the species particularities of the animal, as well as the higher doses of I, were contributing to the nature of I distribution in the CNS of rabbits. -- S. M. Shteynberg

Card 2/2

15